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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re application of:

Efstratios Skafidas, et al.

Serial No.: 10/615,208

Filed on: July 7, 2003

) Confirmation No.: 8053  
)  
) Examiner: NYA  
)  
) Group Art Unit No.: 2681  
)

For: MULTIPLE ACCESS WIRELESS COMMUNICATIONS ARCHITECTURE

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Enclosed is a copy of Information Disclosure Citation Form PTO-1449 together with copies of the documents cited on that form, if needed. It is respectfully requested that the cited documents be considered and that the enclosed Information Disclosure Citation Form PTO-1449 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

Pursuant to 37 C.F.R. § 1.97, the submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited in this statement is material to patentability.

Pursuant to 37 C.F.R. § 1.97, this Information Disclosure Statement is being submitted under one of the following (as indicated by an "X" to the left of the appropriate paragraph):

- X   37 C.F.R. §1.97(b).  
       37 C.F.R. §1.97(c). If so, then this Information Disclosure Statement includes one of the following:  
       A statement pursuant to 37 C.F.R. §1.97(e)

\_\_\_\_\_ 1.97(e)(1) The undersigned hereby states that each item of information contained in this information disclosure statement was first cited in communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this information disclosure statement.

\_\_\_\_\_ 1.97(e)(2) The undersigned hereby states that no item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in this information disclosure statement was known to any individual designated in §1.56(c) more than three months prior to the filing of this information disclosure statement.

\_\_\_\_\_ A check for \$180.00 for the fee under 37 C.F.R. § 1.17(p).

\_\_\_\_\_ 37 C.F.R. §1.97(d). If so, then this Information Disclosure Statement includes the following:

\_\_\_\_\_ A statement pursuant to 37 C.F.R. §1.97(e)

\_\_\_\_\_ 1.97(e)(1) The undersigned hereby states that each item of information contained in this information disclosure statement was first cited in communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this information disclosure statement; OR

\_\_\_\_\_ 1.97(e)(2) The undersigned hereby states that no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in §1.56(c) more than three months prior to the filing of this information disclosure statement.

AND

\_\_\_\_\_ A check for \$180.00 for the fee under 37 C.F.R. §1.17(i) for submission of the Information Disclosure Statement.

\_\_\_\_\_ 37 C.F.R. §1.97(i). Wherein applicants are submitting references before the grant of a patent to be placed in the file but not considered by the Patent office.

- (1) Accordingly, copies of the references as listed on the attached Form PTO 1449 are submitted herewith for placement in the file. No certification or fees are deemed necessary.

The Examiner's attention is directed to the following related application(s) for the following reasons (as indicated by an "X" to the left of the appropriate paragraph):

\_\_\_\_\_ The Examiner is hereby notified that the following related application has been filed:

U.S. Application Serial No. \_\_\_\_\_, filed on \_\_\_\_\_.

This related application contains one or more claims that may be substantially similar to one or more claims in the present application. Therefore, the Examiner is encouraged to reference the file history of the related application as some of the information contained therein may be material to the examination of the present application.

  X  \_\_\_\_\_ The Examiner is hereby notified that the present application is related to the following related application(s):

U.S. Application Serial No. 10/858,936, filed on June 1, 2004.

U.S. Application Serial No. 10/870,199, filed on June 16, 2004.

U.S. Application Serial No. \_\_\_\_\_, filed on \_\_\_\_\_.

U.S. Application Serial No. \_\_\_\_\_, filed on \_\_\_\_\_.

U.S. Application Serial No. \_\_\_\_\_, filed on \_\_\_\_\_.

The related application(s) contain(s) one or more claims that may be substantially similar to one or more claims in the present application, those claims may have been rejected in the related application(s), and a different interpretation may have been applied to one or more of the references that are of record in the present application. Therefore, the Examiner is encouraged to review the file history(ies) of the related application(s) as some of the information contained therein may be material to the examination of the present application.

\_\_\_\_\_ The Examiner is hereby notified that for the following related application(s) an Office Action has been received as indicated below:

U.S. Application Serial No. \_\_\_\_\_, filed on \_\_\_\_\_ (Office Action mailing date \_\_\_\_\_).

The related application(s) contain(s) one or more claims that may be substantially similar to one or more claims in the present application, those claims may have been rejected in the related application(s), and a different interpretation may have been applied to one or more of the references that are of record in the present application. Therefore, the Examiner is encouraged to review the file history(ies) of the related application(s) as some of the information contained therein may be material to the examination of the present application.

Throughout the pendency of this application, please charge any additional fees, including any required extension of time fees, and credit all overpayments to deposit account 50-1302. A duplicate of this sheet is enclosed.

Respectfully submitted,

HICKMAN PALERMO TRUONG & BECKER LLP

Dated: August 4, 2004



Edward A. Becker  
Reg. No. 37,777

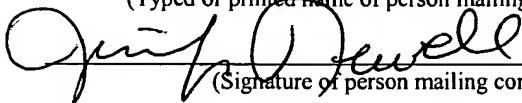
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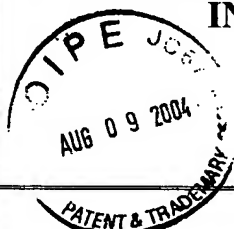
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**(PTO-1449)**

**SERIAL NO.**  
10/615.208

**FILING DATE:**  
July 7, 2003

**GROUP:**  
2681

[illegible][illegible]

Date Considered

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). <sup>4</sup>For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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<b>Substitute for Form 1449A/PTO (Modified)</b> (use as many sheets as necessary)	<b>Attorney Docket No.:</b> 52637-0063	<b>Application Number:</b> 10/615,208
	<b>First Named Inventor:</b> Efstratios Skafidas	
	<b>Filing Date:</b> July 7, 2003	

**OTHER ART – NO PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation <sup>2</sup>
		International Searching Authority, "Invitation to Pay Additional Fees," May 25, 2004, 5 pages.	
		Current Claims in PCT patent application, International Application Number PCT/US03/36179, 7 pages.	
		Kou Kobayashi et al., "Spatially Divided Channel Scheme using Sectorized Antennas for CSMA/CA – 'Directional CSMA/CA'," IEEE, vol. 1, September 18, 2000, XP010520636, pp. 227-231.	
		Asis Nasipuri et al., "Power Consumption and Throughput in Mobile Ad Hoc Networks using Directional Antennas," IEEE, October 14, 2002, XP010610949, pp. 620-626.	
		Bill McFarland et al., "A 2.4 & 5 GHz Dual Band 802.11 WLAN Supporting Data Rates to 108 Mb/s," IEEE, October 20, 2002, XP010616113, GAAS IC Symposium, 24th Annual IEEE Gallium Arsenide Integrated Circuit Symposium, Technical Digest 2002, Monterey, CA, October 20-23, 2002, pp. 11-14.	

Examiner Signature		Date Considered	
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\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

<sup>1</sup>Unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.